BACKFILL Ŝ **್ಕ್** B #4 2 (#4 (12 #4 0 0

LIQUID-TIGHT JOINT Ш CONSTRUCTION JOINT 8

LIQUID-TIGHT JOINT OPTIONS

IF SLAB AND WALL ARE POURED SEPARATELY, THE SLAB SURFACE MUST BE THOROUGHLY CLEANED WITH WATER AND A WIRE BRUSH. THE SURFACE OF

CONSTRUCTION JOINT OPTIONS

Date

<u>06/23/0</u>5

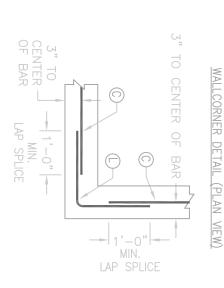
NON-METALIC WATERSTOP (PVC)

2 2 HYDROPHILIC WATERSTOP

2 THE SLAB AND WALL MAY BE POURED AT THE SAME TIME ELIMINATING THE NEED FOR A

PLACEMENT OF NEW CONCRETE. AND A WIRE BRUSH. THE SURFA THE JOINT SHALL BE KEPT MOIST FOR AT LEAST 1 HOUR PRIOR TO

WATERSTOP



CONSTRUCTION JOINT.

RESTRAINING SLAB OPTIONS SLAB CORNER DETAILS SEE PA-023 SEE PA-024

GENERAL DESIGN NOTES:

- DRAINAGE SHALL BE AWAY FROM THE WALL.
 THE MINIMUM WIDTH OF THE BACKFILL AGAINST THE WALL
 THE BACKFILL HEIGHT. SHALL BE EQUAL TO OR GREATER THAN
- ·MAXIMUM FOOTING CONTACT PRESSURE IS 500 psf/ft.

(GRADE

40)

WALL DESIGN LOADING: 313 STANDARD — LATERAL EARTH

SEE SECTION IV OF THE FIELD OFFICE

*MANURE LOAD INSIDE = 65 psf/ft.

*SOIL BACKFILL LOAD OUTSIDE = 75 psf/ft.

*NO SURCHARGE LOAD

*SOIL BACKFILL DENSITY = 110 pcf.

*WATER TABLE MUST BE BELOW THE FOOTING ELEVATION PRESSURE VALUES, TECHNICAL GUIDE.

• CONCRETE SHALL MEET PA 313 OR 561 SPECIFICATION REQUIREMENTS. • SUBSTITUTION OF GRADE 60 BARS IS PERMITTED. • MINIMUM SPLICE LENGTH FOR MARK (B) AND (C) BARS IS 12" • STEEL QUANTITY DOES NOT INCLUDE SPLICE LENGTHS.

TOTAL LENGTH OF WALL

STEEL #4 CONCRETE

(0.668 LBS./FT)

(0.1049 CU.YDS./LIN.FT.) ESTIMATED QUANTITIES

_CU.YDS. LBS.

- L RESTRAINT REQUIREMENTS:
 THICK SLAB, SAFETY FACTOR AGAINST SLIDING 1.5 MIN.

MARK

SIZE

QUAN TYPE

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LENGTH LENGTH

SCHEDULE

 \Box

STR

#4 BARS, TOTAL LENGTH

NO SLAB NO SLAB	7 FEET NO SLAB NO SLAB	2 FEET 1 FOOT 0 FEET
SLAB LENGTH	SLAB LENGTH	BACKFILL HEIGHT
FULL INSIDE LOAD	NO INSIDE LOAD	(OUTSIDE LOAD)

THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE. IT WAS DEVELOPED IN COOPERATION WITH THE WISCONSIN DEPARTMENT OF AGRICULTURAL, TRADE AND CONSUMER PROTECTION. THE DESIGN FOLDER IS FILED AT THE NRCS STATE OFFICE, 8030 EXCELSIOR DRIVE, MADISON, WI. 53717—2906

NOTES:

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DIMENSIONS ARE TO THE REINFORCING BAR SURFACE UNLESS OTHERWISE NOTED.

BACKFILL TO THE TOP OF THE WALL IS RECOMMENDED FOR FROST PROTECTION.

(ADAPTED FROM WI-521, APRIL 2005)

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PA-018B



COUNTY, PENNSYLVANIA

2' HIGH, 6" L-WALL (W/O SURCHARGE)